

Sheet Metal Industry Construction Training Criteria

DOT Code: 804.281.010

December 2000

SHEET METAL INDUSTRY

LABOR CODE SECTION 212.01 **Paragraph 3 – Minimum Requirements**

1. LENGTH OF TRAINING

Program sponsors shall establish a minimum 4 year program of not less than 6,500 hours of on-the-job training.

2. RELATED AND SUPPLEMENTAL INSTRUCTION

The required prescribed courses of related and supplemental instruction shall be no less than 160 hours per year. This instruction must include at a minimum the related and supplementary training processes listed in Exhibit "A".

3. ON THE JOB TRAINING

(Skills to be learned) See Exhibit "B"

4. COMPETENCY TESTING

All apprentices must pass a competency test prior to the time of their pay rate advancement to the next higher pay period. The test shall be based on Related and Supplemental Instruction and manipulative skills test's based on laboratory assignments.

5. COMPLETION PERCENTAGES

Program sponsors who are not able to demonstrate a completion rate of 75% of the apprentices indentured into the program will be subject to review by the D.A.S.

6. REVISIONS

The schedule for revisions to the Sheet Metal trade's industry training criteria shall be in accordance with Section 212.01.

EXHIBIT "A"

PROPOSED RELATED AND SUPPLEMENTAL INSTRUCTION TOPICS FOR SHEET METAL WORKERS

2. RELATED AND SUPPLEMENTAL INSTRUCTION

1. Trade Math
2. Safety – CPR
3. Welding & Soldering
4. Tools & Equipment
5. Trade Orientations
6. Pattern development and drafting
7. Plans and specifications
8. Codes and standards
9. Test and balance
10. Service and repair
11. Principles of air flow and duct design
12. Fasteners – hangers/seismic requirements
13. Fabrication/installation methods and materials

EXHIBIT "B"

3. ON THE JOB TRAINING

The work processes in which the apprentice shall be trained are as follows. Work processes will not necessarily be in the order listed, nor will they necessarily be continuous.

WORK PROCESS - SHEET METAL WORKER

APPROXIMATE HOURS

- | | | |
|----|--|-------|
| A. | Fabrication (may include, but not limited to the following) | 1,500 |
| | <ul style="list-style-type: none">1. Material fabrication2. Design, detail and layout3. Welding, brazing and soldering4. Industrial5. Solar fabrication (collectors)6. Kitchen equipment7. Architectural | |
| B. | Installation (may include, but not limited to the following) | 4,000 |
| | <ul style="list-style-type: none">1. Material installation2. Service and repair3. A/C, Heating and Ventilation4. Welding, brazing and soldering5. Exhaust and blowpiping6. Solar panels (storage and transfer)7. Tool and equipment usage8. Kitchen equipment9. Flashing, roofing and siding10. Equipment setting11. Plans, specifications and construction documents12. Air distribution13. Testing and balancing | |
| C. | Miscellaneous (may include, but not limited to the following) | 1,000 |
| | <ul style="list-style-type: none">1. Job planning2. Insulation3. Safety4. Tools and equipment usage5. Sign construction6. Rigging7. Delivery and cleanup8. Indoor air quality | |

TOTAL NUMBER OF MINIMUM HOURS

6,500



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